



## **SUBMITTAL - 48,000BTU CEILING CASSETTE - M18**

Job Name:					
Location:					
Engineer:					
Submitted	Ву:				
Submitted	То:				
WARRANT	Y				
Standard 1	0 Years Part	s & Compre	essor		
Terms & Condition	ns Apply.				
TYPE					
Air Source	Heat Pump				
Cold Climat	e Air Source	e Heat Pum	p 🗸		
MODELS					
Indoor		DUA48	HICU230X5		
Outdoor		DMA48H	OS18230S5		
<b>CAPACITY I</b>	RANGE <sup>1</sup>				
Output (Bt	u/h)	Min.	Rated	Max.	
	Cooling	12700	48000	50800	
	Heating	15000	50000	55000	
<b>HEATING P</b>	ERFORMAN	ICE <sup>2</sup>			
Output (Bt	u/h)	Min.	Rated	Max.	
47°F (8.3°C)		15000	50000	55000	
17°F (-8.3°C) 8200 30000			39000		
5°F (-15°C) 5		5100	35600	36000	
-13°F (-25°C) 2900			21100		
<b>OUTDOOR</b>	TEMPERAT	URE OPERA	TING RANG	Ε	
Cooling	-15 <b>~</b> 50	°C	5 <b>~</b> 122	°F	
Heating <sup>3</sup>	-25 <b>~</b> 24	°C	-13 <b>~</b> 75	°F	
LINE SET & REFRIGERANT					
Liquid (in.)	3/8"		Gas (in.)	5/8"	
Connection Type				Flared	
Pre-Charge Length (ft)				25	
Max. Length (ft)				213.2	
Max. Height Difference (ft)				98.4	
Refrigerant Type				R410A	
Pre-Charge (oz)				158.73	
Additional Charge per Foot (oz)				0.32	
Oil Type VG74 Oil Volume (ml)			1400		
Drain Pipe O.D. (mm)				25	

Submitted For:	Approval	
Reference	Construction	
Date:		

Unit Tag:

**Drawing No.:** 





Images for reference only.

CERTIFIED				
AHRI NO.		6	>	
207742507		ુઉ	US	ENERGY STAR
<b>EFFICIENCY</b>	' RATINGS			
SEER2				18.5
EER2				9.5
HSPF2 (4)				9.8
HSPF2 (5)				7.5
COP <sup>2</sup>	47°F	17°F	5°F	-13°F
	(8.3°C)	(-8.3°C)	(-15°C)	(-25°C)
	3.1	2.34	1.98	1.28
ELECTRICA	L			
Power Supply		(V/Ph/Hz)	208-230/1/60	
Voltage Range		(V)		187-253
MCA (A)	39	Max Fuse	(ODU) (A) 50	
Power Input (W)		Min.	Rated	Max.
	Cooling	650	5050	5050
Heating		650	4730	5200
Current (A)		Min.	Rated	Max.
Cooling		4.35	23.1	23.1
Heating		4.61	21.5	22.82

<sup>1.</sup> Cooling Capacity Conditions: Indoor Temperature @ 80°F (26.7°C) DB; 67°F (19.4°C) WB with Outdoor Temperature @ 95°F (35°C) DB; 75°F (23.9°C) WB. Heating Capacity Conditions: Indoor Temperature @ 70°F (21.1°C) DB; 60°F (15.6°C) WB with Outdoor Temperature @ 47°F (8.3°C) DB; 43°F (6.1°C) WB. Line Set @ 25ft (7.5m); Height Difference @ 0ft (0m). 2. COP for all temperatures is @ rated output except when rated output is not given. In that case, COP is @ max. output. 3. System continues to operate below rated outdoor temperature operating range, subject to varying conditions. System has no low temperature cutout. Capacity is not tested outside of the rated temperature range. | Master Group is not responsible for the accuracy and validity of any changes made to this document without the written authorization of Master Group. Specifications subject to change without notice.



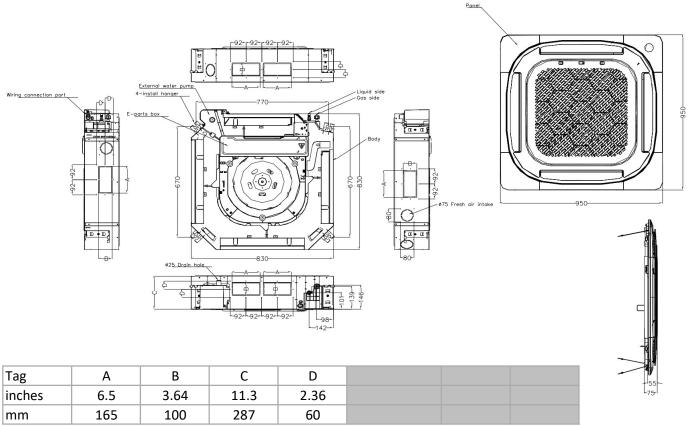


DIMENSIONS & WEIGHTS				
Indoor	Net (WxDxH; in.)	32.68x3	2.68x11.30	
	Gross (WxDxH; in.)	35.83x3	35.83x35.83x12.99	
	Net Weight Ibs   kg	64.59	29.3	
	Gross Weight Ibs   kg	74.07	33.6	
Outdoor	Net (WxDxH; in.)	37.48x16.34x52.48		
	Gross (WxDxH; in.)	43.11x1	43.11x19.49x58.27	
	Net Weight Ibs   kg	219.14	99.4	
	Gross Weight lbs   kg	249.12	113	
KEY FEATURES				
Rotary Inverter Compressor			<b>V</b>	
Twin Rotary Inverter Compressor				
Base Pan Heater			<b>✓</b>	
Crankcase Heater			<b>✓</b>	
INCLUDED ACCESSORIES				

FAN				
Indoor	Turbo	High	Med.	Low
CFM	1288	1170	1058	935
dB(A)		55	53	50
Indoor ESP	Range inWo	Ĵ		
Indoor Moi	Indoor Moisture Removal (I/h)			5.67
Outdoor Max. CFM			4500	
Outdoor Max. dB(A)			65	
OPTIONAL ACCESSORIES⁴				
CASSETTEGRILL2448A - Required				
WF-60A1-F - Smart Port				
KJR-120L(R1)/EFU1 - Wired Controller				
KJR-120N(X6)/BGEF - Wired Controller				
KJR-120N(X6W)/BGEF - Wired Controller				
24VINTERFACEKITUNIVERSAL				

## **INDOOR UNIT DRAWING**

RG10A(D2S)/BGEFU1 - Remote Controller

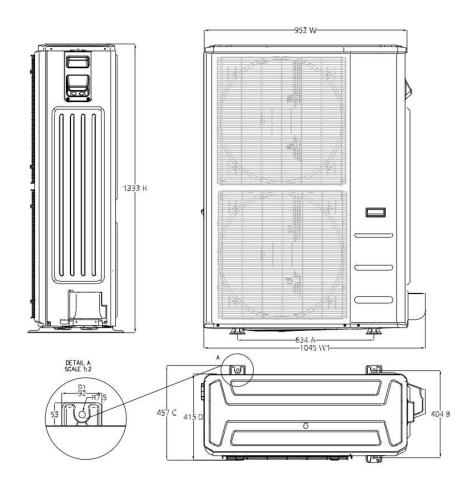


Drawing dimensions are nominal. Specifications subject to change without notice. 4. Connection of these accessories may require secondary items not listed; refer to full product literature.

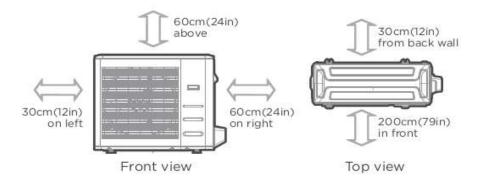




## **OUTDOOR UNIT DRAWING**



## **OUTDOOR UNIT CLEARANCES**



Note: Outdoor units must be elevated 12-24in. (30.5-61cm) above the surface below in heating applications to allow for snow clearance and defrost runoff. Follow local best-practices and guidelines.

Diagrams for reference only.

**NOTES**